

## Porsche09 Interface installation manual-V20

---this video inserter is suitable for Porsche Cayenne,911 09versions

### 1. Monitor removal from the car

As shown by the arrows in the left picture, remove the plastic part around the monitor.[no screws, only hooks.] , then the 4 screws that fixing the monitor to the chassis can be seen.



Remove these 4 screws(Yellow arrows below), then the monitor can taken out, all modifications are done on this monitor.



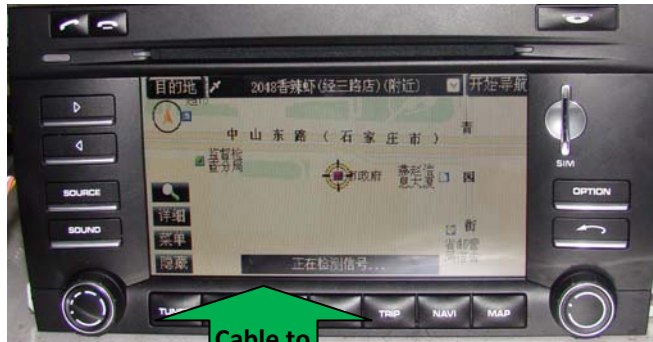
Remove the 2 screws on the top shell of the monitor, then the CD changer part can be taken down, the interface board can be placed at the yellow square like the picture is showing, there are 2 empty screw holes there, which the interface board is exactly fitting there.

These 2 screws are originally used for XRadio in US. So for the US version Porsche, there is a Xradio tuner there, then the inserter board can be placed on top of that tuner, fixed there with glue type.

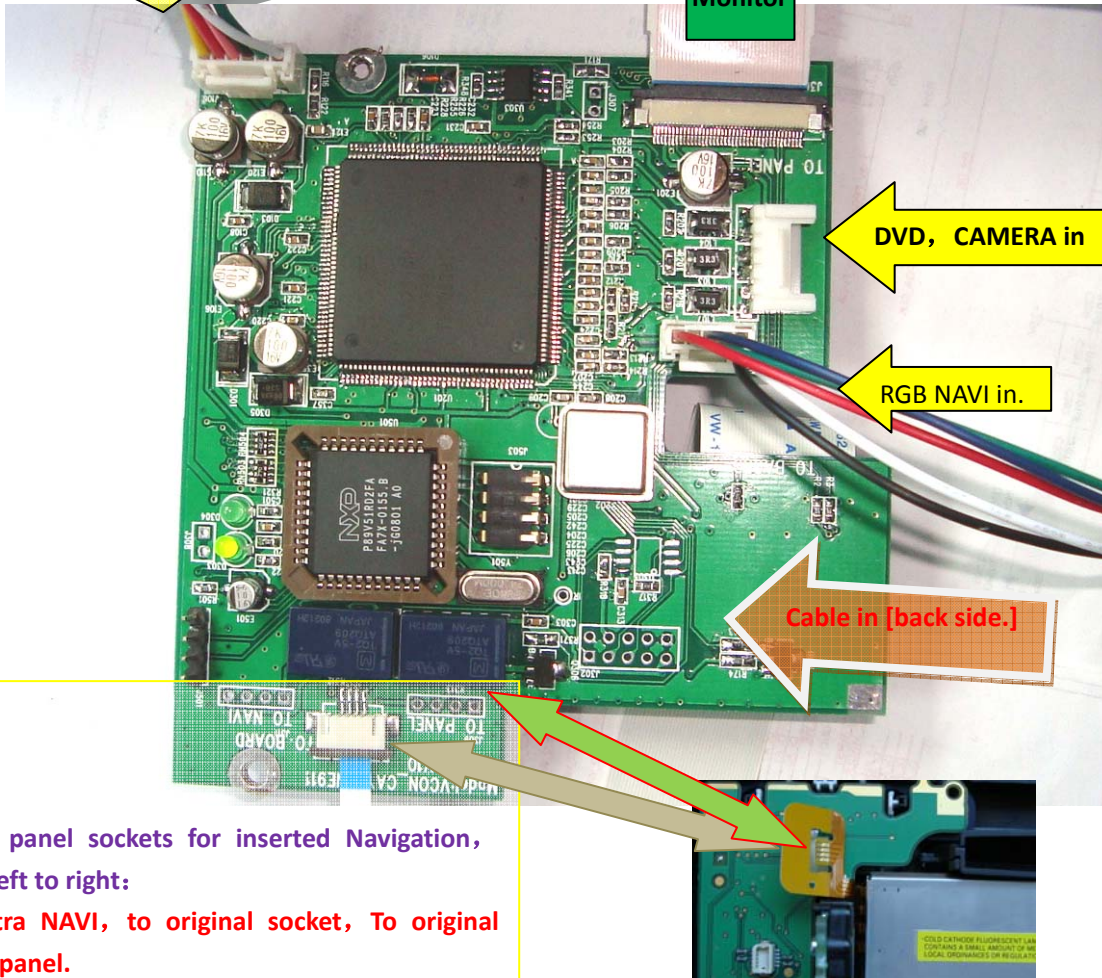
Power wire:  
**YELLOW to BATT**, Black to GND,  
 GREEN: rear view camera trigger

## 2. Connections

Power Wires input



Cable to Monitor



DVD, CAMERA in

RGB NAVI in.

Cable in [back side.]

Touch panel sockets for inserted Navigation,  
 from left to right:  
 To extra NAVI, to original socket, To original  
 touch panel.

### 4bit DIP switch

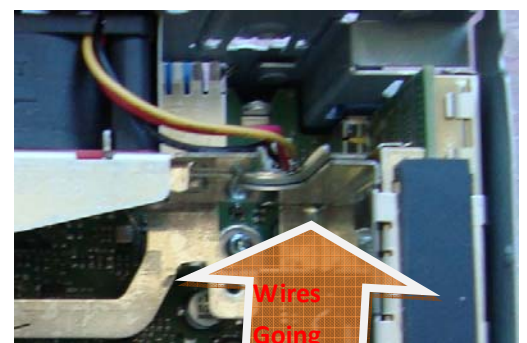
- 1=ON: RGB input Enabled
- 2=ON: AV1 in enabled
- 3=ON: AV2 in enabled
- 4=ON: Original CAM exists

When 4=ON, Green wire reaches 12V will force the input to car video. When 4=OFF, green wire goes to 12V will force the input to AV4.

## 3. Wire input location

There are an original hole on the rear side, which all the wires connecting this daughter board can go out.  
 [this hole is for Xradio antenna socket in the US version], even when the antenna socket is there, there is still enough space for all the wires to go out. →

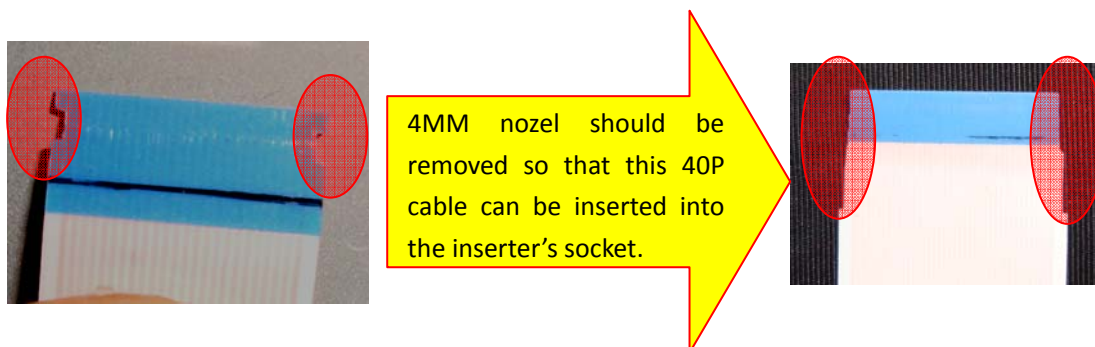
Xradio: satellite radio which is available in north America continent.



Wires  
 Going  
 through  
 here



Original ribbon cable should be modified:



#### 4. Input port switch:

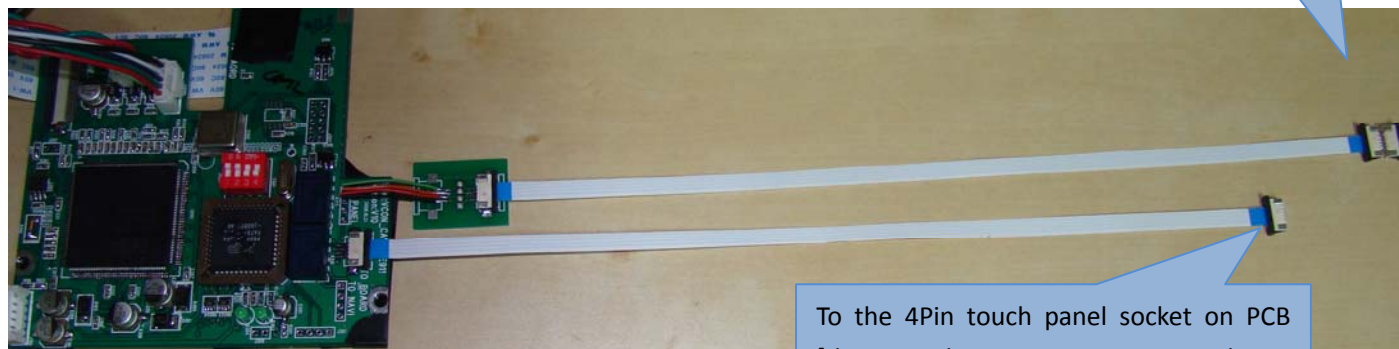
There are 2 options to switch the input:

- (1) By using the keypad button attached on the cable, which is standard accessory
- (2) By using the can box, then when the user press the VOL- key on the steering wheel, the interface switches.

#### 5. Touch panel connection

The original touch panel can be re-directed to an extra device[especially after-market NAVI]. If NOT necessary, Please do NOT use the 2 4Pin wires. Then the touch screen is always for car original applications.

To the 4Pin touch panel plug [with the socket-socket converter]



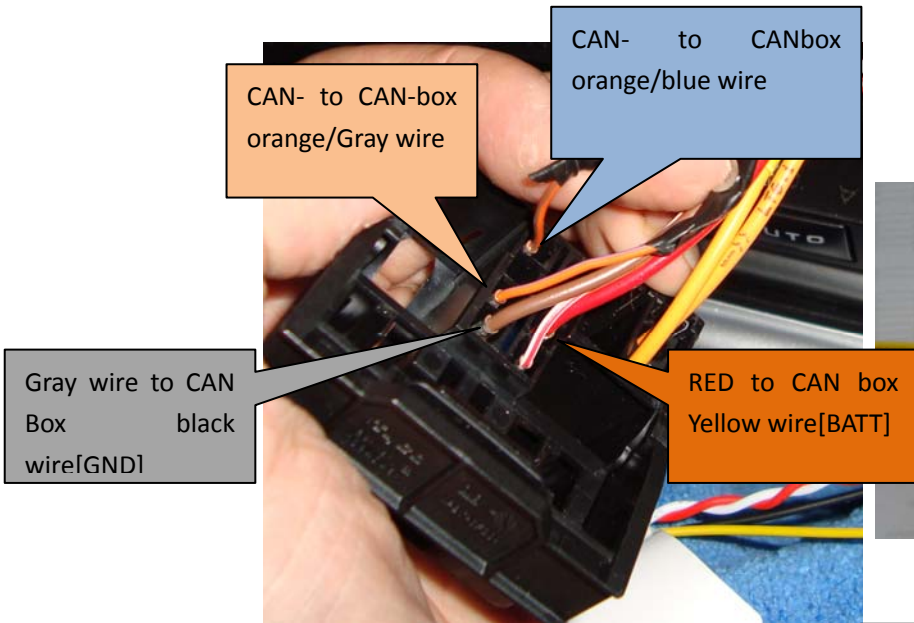
To the 4Pin touch panel socket on PCB  
[the 4P socket in picture is not used, just for additional]

#### 5. Accessories

- (1) Video inserter board with one 40P ribbon cable.
- (2) Power input wire with filter box.
- (3) RGB input wire 1PC, CVBS input wire 2PCs.
- (4) Touch panel 4P ribbon cable, one with socket-socket converter, the other with 4P socket.
- (5) Can switch box.[Optional]

# 6. CAN box connection[should be connected to the Quadlock connector behind the monitor]:

Attention: the steering wheel key would be effective only after key inserted.



Note:

CAN- / CAN+ wrong connection will not damage anything, reconnect, then it works.

## CAN box output:

SWITCH line[when VOL- key pressed, then =+5V], should be connected to the white line as in the picture below.

**ACC** OUT: when there is CAN activity, ACC=12V which might be provided for other devices like added DVD,NAVI or CAMERA

